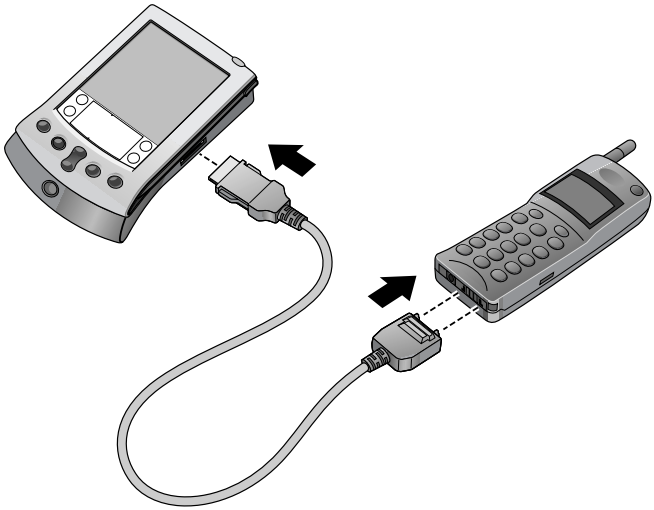
GSM Upgrade Kit Handbook



For the following digital GSM telephones:

- Nokia 6100 series
- Nokia 8100 series
- Ericsson 600 / 700 series

3Com®
More connected.™

PALM COMPUTING® PLATFORM™

Copyright

Copyright© 1999 3Com Corporation or its subsidiaries. All rights reserved. 3Com, the 3Com logo, HotSync, and Palm Modem are registered trademarks, and the HotSync logo, Palm, the Palm Computing Platform logo, and Palm OS are trademarks of Palm Computing, Inc., 3Com Corporation or its subsidiaries. The following are registered trademarks of International Business Machines Corporation in the United States and/or other countries: IBM and WorkPad. Other product and brand names, including Nokia and Ericsson, may be trademarks or registered trademarks of their respective owners.

Disclaimer

3Com Corporation and its subsidiaries assume no responsibility for any damage or loss resulting from the use of this handbook.

3Com Corporation and its subsidiaries assume no responsibility for any loss or claims by third parties which may arise through the use of this product. 3Com Corporation and its subsidiaries assume no responsibility for any damage or loss caused by deletion of data as a result of malfunction, dead battery, or repairs. Be sure to make backup copies of all important data on other media to protect against data loss.

Part Number: 405-0495-06A

Contents

English.....1
Deutsch .....
Français .....
Español.....
Italiano.....

Introduction

This GSM Upgrade Kit allows you to upgrade the software in your Palm V™ Modem or IBM® WorkPad® c3 Modem. Upgrading your modem software enables you to connect your Palm V organizer or IBM WorkPad c3 to certain makes and models of digital GSM telephones. The following table lists the makes and models of GSM telephones that can be connected to your modem:

Supported GSM Telephone Model Number	GSM Upgrade Kit Number
Nokia 5110, 5130, 5190, 6110, 6130, 6138, 6150, 6190	10424U
Nokia 3110, 3210, 3810, 5130, 8110, 8148	10425U
Ericsson CA638, CF688, CF768, CF788, GA628, GF768, GF768c, GF788, GH688, PF768	10426U

The Modem Utility application in this GSM Upgrade Kit works only with the specified makes and models of digital GSM telephones. Before you try to upgrade your modem, make sure the version of this kit is correct for your telephone.

Note: Contact your telephone service provider if you are not sure you have digital GSM service.

Your service provider can also verify that you have data and fax transmission service activated.

Upgrade Kit contents

In addition to this handbook, the GSM Upgrade Kit includes:

- **GSM cable**—connects your digital GSM telephone to your modem.
- **CD-ROM**—contains the Modem Utility application that upgrades the software on your modem so you can connect your modem to your GSM telephone.

System requirements

To upgrade the software on your modem, the following components are needed:

- Palm V or IBM WorkPad c3 organizer.
- Microsoft® Windows 95®, Windows 98®, Windows NT®. If you have a Palm V organizer, you can also use an Apple Macintosh™ with operating system 7.5.3 or later.
- Palm Desktop 3.0 or later for Microsoft Windows. If you have a Palm V organizer, you can also use Palm™ Desktop organizer software 2.1 for the Apple Macintosh.

Before you begin

Before you begin to upgrade your modem, make sure:

- No cables are attached to your modem.
- The HotSync® Manager on your computer is active.
- The battery in your organizer is fully charged.
- The batteries in your modem are new.

Instructions

Upgrading your modem involves the following procedures:

- Installing the Modem Utility application onto your computer's desktop (Microsoft Windows or Apple Macintosh).
- Performing a HotSync operation to install the Modem Utility application onto your organizer.
- Starting the Modem Utility application to upgrade your modem.
- Deleting the Modem Utility application from your organizer.

Installing the Modem Utility application onto your computer (Microsoft Windows)

1. Insert the Modem Utility CD-ROM into your computer's CD-ROM drive.
2. On your computer, copy the Modem Utility application into the add-on folder in the **Palm** directory on your computer's hard drive.

3. On your computer's taskbar, click **START>PROGRAMS>PALM DESKTOP>PALM DESKTOP.**

   The **Palm Desktop** window opens.

4. Click **INSTALL**.

   The **Palm Install Tool** dialog box opens.

5. If necessary, click the down arrow and select your correct User name.

6. Click **ADD**.

   The **Open** dialog box opens.

7. Select **Modem Utility** from the add-on folder, then click **OPEN**.

   The Modem Utility application will appear in the **Palm Install Tool** menu.

8. Click **DONE**.

   The Palm Install Tool message box opens.

9. Click **OK**.

10. Perform a HotSync operation by placing the organizer into the cradle and pressing the HotSync button on the cradle.

Installing the Modem Utility application onto your computer (Apple Macintosh)

1. Insert the Modem Utility CD-ROM into your computer's CD-ROM drive.

2. In the **Palm** folder, choose **HotSync Manager**.

   The **HotSync Manager** window opens.

3. If necessary, open the **Users** menu to select your correct User name.

4. On the **HotSync** menu, choose **Install**.

   The **Install Handheld Files** dialog box opens.

5. Click **ADD TO LIST**.

   The standard Macintosh file navigation dialog box opens.

6. Select **Modem Utility**.

7. Click the **ADD FILE** button.
8. Perform a HotSync operation by placing the organizer into the cradle and pressing the HotSync button on the cradle.

Starting the Modem Utility application

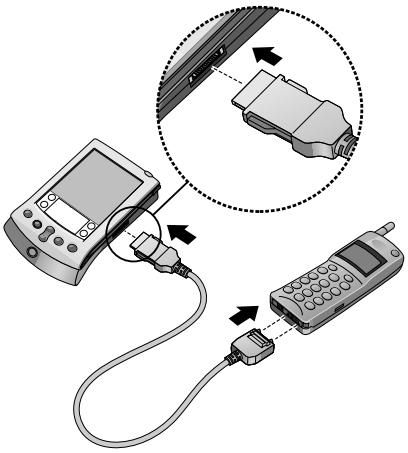
1. Connect your organizer to the modem.
2. Make sure that:
   - The organizer is securely attached to the modem.
   - No cables are attached to the modem.
   - The battery in the organizer is fully charged.
   - The batteries in the modem are new.
3. Tap the Applications icon on your organizer.
4. Tap the Modem Util icon Modem Util.

   The first Modem Utility window opens.

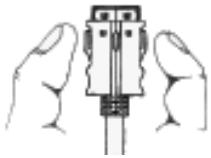
5. Select the language in which you want to view the Modem Utility screens, then tap **OK.**
6. Follow the instructions that appear on the subsequent screens to finish running the Modem Utility application.

Connecting your GSM cable to your digital GSM telephone and to the modem

1. Connect the GSM cable to your digital GSM telephone and to your modem, as shown below. Make sure the modem is not connected to an analog telephone cord.



Note: Press the two clips on the modem connector before inserting or removing the cable, as shown below.



2. Turn your digital GSM telephone on.

   When your digital GSM telephone is connected to the modem, the modem automatically switches into GSM mode.

Note: Refer to your modem handbook for instructions on configuring your modem and for a list of software applications that can be used with the modem.

Deleting the Modem Utility application

Once you have upgraded the modem software, you should delete the Modem Utility application to increase the amount of available memory in your organizer.

1. Tap the Applications icon on your organizer.
2. Tap the Menu icon.
3. Tap **DELETE** on the App menu.

   A list of all applications that can be deleted is displayed.
4. Tap **MODEM UTIL**.
5. Tap **DELETE**.

   A verification screen opens.
6. Tap **YES**.
7. Tap **DONE**.

Troubleshooting

Serial port in use

If you see the following error message, the serial port on your organizer is being used by another application:

Unable to initiate HotSync because the serial port is in use by another application.

Use the reset tip tool, or the tip of an unfolded paper clip (or a similar object that doesn't have a sharp tip), to gently press the reset button inside the hole on the back panel of your organizer.

Unable to connect

If you are having difficulty connecting to your digital GSM telephone:

- Check that all cables are securely attached.
- Contact your telephone service provider to confirm you have separate telephone numbers for data and fax communications.

Palm Computing, Inc.

Limited Warranty

HARDWARE: Palm Computing, Inc., a subsidiary of 3Com Corporation (collectively "3Com"), warrants to the original end user ("Customer") that this product will be free from defects in workmanship and materials, under normal use, for one year from the date of original purchase from 3Com or its authorized reseller. 3Com's sole obligation under this express warranty shall be, at 3Com's option and expense, to replace the product or part with a comparable product or part, repair the product or part, or if neither repair nor replacement is reasonably available, 3Com may, in its sole discretion, refund to Customer the purchase price paid for the product or part. Replacement products or parts may be new or reconditioned. 3Com warrants any replaced or repaired product or part, and any hardware upgrade to which Customer is entitled under an agreement between Customer and 3Com, for a period of ninety (90) days from shipment, or through the end of the original warranty, whichever is longer. All products or parts that are replaced become the property of 3Com.

Accessory products, as listed in the applicable 3Com catalogue, are not covered under this Limited Warranty except for the modem for the connected organizer, the cradles, cables, memory upgrades, and leather items sold under the 3Com® brand. 3Com shall not be responsible for Customer's software, firmware, information, or memory data contained in, stored on, or integrated with any products returned to 3Com for repair, whether under warranty or not.

SOFTWARE: 3Com warrants to Customer that the Palm™ desktop organizer software and Palm OS™ software licensed from it will perform in substantial conformance to their program specifications, for a period of ninety (90) days from the date of original purchase from 3Com or its authorized reseller. 3Com warrants the media containing software against failure during the warranty period. No updates are provided. 3Com does not provide any warranty for Adobe® Acrobat® Reader or any other third-party applications software that is licensed to Customer by the third party. 3Com's sole obligation with respect to this express warranty shall be (at 3Com's discretion) to refund the purchase price paid by Customer for any defective software product, or to replace any defective media with software which substantially conforms to applicable 3Com published specifications. 3Com makes no warranty or representation that its software products will meet Customer's requirements or will work in combination with any hardware or applications software products provided by third parties, that the operation of the software products will be uninterrupted or error free, or that all defects in the software products will be corrected.

YEAR 2000 WARRANTY: In addition to the Hardware Warranty and Software Warranty stated above, 3Com warrants that the following date-data sensitive Palm Computing® products, namely the Pilot 1000, Pilot 5000, PalmPilot™ Personal Edition, PalmPilot Professional Edition, and Palm III™ connected organizers, as well as all other 3Com products based on the Palm Computing platform software as of July 1, 1998 and later, including the companion desktop software for Microsoft® Windows® and MAC OS™ platforms, will continue performing properly with regard to such date-data on and after January 1, 2000, provided that all other products used by Customer in connection or combination with the Palm Computing product, including hardware, software, and firmware, accurately exchange date-data with the Palm Computing product. 3Com makes no certification regarding the Year 2000 status of any other Palm Computing products.

Any Palm Computing platform application supplied by 3Com that makes correct use of Palm Computing platform date and time functions will not have a problem transitioning to the year 2000. The date and time utilities for the Palm Computing platform use 32 bits to store seconds, starting at January 1, 1904. This approach allows the correct representation of dates up to 6:28:15 A.M. on February 6, 2040. Provided the product is still being sold, 3Com will make software enhancements to remove this limitation to the Palm Computing platform well in advance of this date.

If it appears that any Palm Computing product does not perform properly with regard to such date-data on and after January 1, 2000, and Customer notifies Palm Computing before the later of April 1, 2000, or ninety (90) days after original purchase of the product from 3Com or its authorized reseller, 3Com shall, at its option and expense, provide a software update which would effect the proper performance of the product, repair the product, deliver to Customer an equivalent product to replace the product, or, if none of the foregoing is feasible, refund to Customer the purchase price paid for the product.

Any software update or replaced or repaired Palm Computing product will carry a Year 2000 Limited Warranty for ninety (90) days after purchase or until April 1, 2000, whichever is later.

Customers using date and time utilities other than those supplied by Palm Computing should check with the developer to determine if the software will correctly handle all of the subtle issues of date and time conversion.

OBTAINING WARRANTY SERVICE: Customer must contact a Palm Computing, Inc. or 3Com Technical Support or Customer Service center within the applicable warranty period to obtain warranty service authorization. Dated proof of original purchase from 3Com or its authorized reseller will be required. 3Com is not responsible for Customer products or parts received without a warranty service authorization. In the United States, 3Com may ship a replacement product or part prior to receiving the original product or part ("advance exchange"). If advance exchange is not available, then the repaired product or part will be shipped as soon as reasonably possible, which will be no later than thirty (30) days after 3Com receives the original product or part. Repaired or replacement products will be shipped to Customer at 3Com's expense. The repair and replacement process for products or parts in locations outside of the United States will vary depending on Customer's location.

Products or parts shipped by Customer to 3Com must be sent prepaid and packaged appropriately for safe shipment, and it is recommended that they be insured or sent by a method that provides for tracking of the package. When an advance exchange is provided and Customer fails to return the original product or part to 3Com within thirty (30) days from the date the warranty service authorization is issued, 3Com will charge Customer the then-current published catalogue price of such product or part.

WARRANTIES EXCLUSIVE: IF THIS PRODUCT DOES NOT OPERATE AS WARRANTED ABOVE, CUSTOMER'S SOLE REMEDY FOR BREACH OF THAT WARRANTY SHALL BE REPLACEMENT OR REPAIR OF THE PRODUCT OR PART OR REFUND OF THE PURCHASE PRICE PAID, AT 3COM'S OPTION. TO THE FULL EXTENT ALLOWED BY LAW, THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, TERMS, OR CONDITIONS, EXPRESS OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES, TERMS, OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, SATISFACTORY QUALITY, CORRESPONDENCE WITH DESCRIPTION, AND NON-INFRINGEMENT, ALL OF WHICH ARE EXPRESSLY DISCLAIMED. 3COM NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE OR USE OF ITS PRODUCTS.

3COM SHALL NOT BE LIABLE UNDER THIS WARRANTY IF ITS TESTING AND EXAMINATION DISCLOSE THAT THE ALLEGED DEFECT OR MALFUNCTION IN THE PRODUCT DOES NOT EXIST OR WAS CAUSED BY CUSTOMER'S OR ANY THIRD PERSON'S MISUSE, NEGLECT, IMPROPER INSTALLATION OR TESTING, UNAUTHORIZED ATTEMPTS TO OPEN, REPAIR, OR MODIFY THE PRODUCT, OR ANY OTHER CAUSE BEYOND THE RANGE OF THE INTENDED USE, OR BY ACCIDENT, FIRE, LIGHTNING, OTHER HAZARDS, OR ACTS OF GOD. THIS WARRANTY DOES NOT COVER PHYSICAL DAMAGE TO THE SURFACE OF THE PRODUCT, INCLUDING CRACKS OR SCRATCHES ON THE LCD TOUCHSCREEN OR OUTSIDE CASING. THIS WARRANTY DOES NOT APPLY WHEN THE MALFUNCTION RESULTS FROM THE USE OF THIS PRODUCT IN CONJUNCTION WITH ACCESSORIES, OTHER PRODUCTS, OR ANCILLARY OR PERIPHERAL EQUIPMENT AND 3COM DETERMINES THAT THERE IS NO FAULT WITH THE PRODUCT ITSELF. THIS WARRANTY DOES NOT APPLY TO ANY MALFUNCTION OR FAILURE OF THE PRODUCT OR PART DUE TO ANY COMMUNICATION SERVICE CUSTOMER MAY SUBSCRIBE TO OR USE WITH THE PRODUCT.

LIMITATION OF LIABILITY: TO THE FULL EXTENT ALLOWED BY LAW, 3COM ALSO EXCLUDES FOR ITSELF AND ITS SUPPLIERS ANY LIABILITY, WHETHER BASED IN CONTRACT OR TORT (INCLUDING NEGLIGENCE), FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY KIND, OR FOR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA, OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE, USE, PERFORMANCE, FAILURE, OR INTERRUPTION OF THIS PRODUCT, EVEN IF 3COM OR ITS AUTHORIZED RESELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, AND LIMITS ITS LIABILITY TO REPLACEMENT, REPAIR, OR REFUND OF THE PURCHASE PRICE PAID, AT 3COM'S OPTION. THIS DISCLAIMER OF LIABILITY FOR DAMAGES WILL NOT BE AFFECTED IF ANY REMEDY PROVIDED HEREIN SHALL FAIL OF ITS ESSENTIAL PURPOSE.

DISCLAIMER: Some countries, states, or provinces do not allow the exclusion or limitation of implied warranties or the limitation of incidental or consequential damages for certain products supplied to consumers, or the limitation of liability for personal injury, so the above limitations and exclusions may be limited in their application to you. When the implied warranties are not allowed to be excluded in their entirety, they will be limited to the duration of the applicable written warranty. This warranty gives you specific legal rights which may vary depending on local law.

GOVERNING LAW: This Limited Warranty shall be governed by the laws of the State of California, U.S.A. excluding its conflicts of laws principles and excluding the United Nations Convention on Contracts for the International Sale of Goods.

Palm Computing, Inc., a subsidiary of 3Com Corporation
5400 Bayfront Plaza
PO Box 58007
Santa Clara, California 95052-8007
United States of America
(408) 326-5000
September 3, 1998

IMPORTANT: Read Before Using This Product

3COM END USER SOFTWARE LICENSE AGREEMENT

YOU SHOULD CAREFULLY READ THE FOLLOWING TERMS AND CONDITIONS BEFORE USING THIS PRODUCT. IT CONTAINS SOFTWARE, THE USE OF WHICH IS LICENSED BY PALM COMPUTING, INC., A SUBSIDIARY OF 3COM CORPORATION (COLLECTIVELY, "3COM"), TO ITS CUSTOMERS FOR THEIR USE ONLY AS SET FORTH BELOW. IF YOU DO NOT AGREE TO THE TERMS AND CONDITIONS OF THIS AGREEMENT, DO NOT USE THE SOFTWARE. USING ANY PART OF THE SOFTWARE INDICATES THAT YOU ACCEPT THESE TERMS.

LICENSE: 3Com grants you a nonexclusive license to use the accompanying software program(s) (the "Software") subject to the terms and restrictions set forth in this License Agreement. You are not permitted to lease or rent (except under separate mutually agreeable terms set forth in writing), distribute or sublicense the Software or to use the Software in a time-sharing arrangement or in any other unauthorized manner. Further, no license is granted to you in the human readable code of the Software (source code). Except as provided below, this License Agreement does not grant you any rights to patents, copyrights, trade secrets, trademarks, or any other rights in respect to the Software.

The Software is licensed to be used on any personal computer and / or any 3Com product, provided that the Software is used only in connection with 3Com products. With respect to the Desktop Software, you may reproduce and provide one (1) copy of such Software for each personal computer or 3Com product on which such Software is used as permitted hereunder. With respect to the Device Software, you may use such Software only on one (1) 3Com product. Otherwise, the Software and supporting documentation may be copied only as essential for backup or archive purposes in support of your use of the Software as permitted hereunder. You must reproduce and include all copyright notices and any other proprietary rights notices appearing on the Software on any copies that you make.

Notwithstanding any other provision of this License Agreement, this License Agreement shall not be deemed to apply to the Adobe® Acrobat® Reader software or any other applications software licensed to you by third parties that is included on the same media as 3Com's Software ("Other Software") if the Other Software provides that the use of the Other Software is subject to the terms and conditions of the third party's license agreement.

NO ASSIGNMENT; NO REVERSE ENGINEERING: You may transfer the Software and this License Agreement to another party if the other party agrees in writing to accept the terms and conditions of this License Agreement. If you transfer the Software, you must at the same time either transfer all copies of the Software as well as the supporting documentation to the same party or destroy any such materials not transferred. Except as set forth above, you may not transfer or assign the Software or your rights under this License Agreement.

Modification, reverse engineering, reverse compiling, or disassembly of the Software is expressly prohibited. However, if you are a European Community ("EC") resident, information necessary to achieve interoperability of the Software with other programs within the meaning of the EC Directive on the Legal Protection of Computer Programs is available to you from 3Com upon written request.

EXPORT RESTRICTIONS: You agree that you will not export or re-export the Software or accompanying documentation (or any copies thereof) or any products utilizing the Software or such documentation in violation of any applicable laws or regulations of the United States or the country in which you obtained them.

The software covered by this agreement may contain strong data encryption code which cannot be exported outside of the U.S. or Canada. You agree that you will not export / reexport, either physically or electronically, the encryption software or accompanying documentation without obtaining written authorization from the U.S. Department of Commerce.

TRADE SECRETS; TITLE: You acknowledge and agree that the structure, sequence and organization of the Software are the valuable trade secrets of 3Com and its suppliers. You agree to hold such trade secrets in confidence. You further acknowledge and agree that ownership of, and title to, the Software and all subsequent copies thereof regardless of the form or media are held by 3Com and its suppliers.

UNITED STATES GOVERNMENT LEGEND: The Software is commercial in nature and developed solely at private expense. The Software is delivered as "Commercial Computer Software" as defined in DFARS 252.227-7014 (June 1995) or as a commercial item as defined in FAR 2.101(a) and as such is provided with only such rights as are provided in this License Agreement, which is 3Com's standard commercial license for the Software. Technical data is provided with limited rights only as provided in DFAR 252.227-7015 (Nov. 1995) or FAR 52.227-14 (June 1987), whichever is applicable.

TERM AND TERMINATION: This License Agreement is effective until terminated. You may terminate it at any time by destroying the Software and documentation together with all copies and merged portions in any form. It will also terminate immediately if you fail to comply with any term or condition of this License Agreement. Upon such termination you agree to destroy the Software and documentation, together with all copies and merged portions in any form.

GOVERNING LAW: This License Agreement shall be governed by the laws of the State of California as such laws are applied to agreements entered into and to be performed entirely within California between California residents and by the laws of the United States. You agree that the United Nations Convention on Contracts for the International Sale of Goods (1980) is hereby excluded in its entirety from application to this License Agreement.

LIMITED WARRANTY; LIMITATION OF LIABILITY: All warranties and limitations of liability applicable to the Software are as stated on the Limited Warranty Card or in the product manual accompanying the Software. Such warranties and limitations of liability are incorporated herein in their entirety by this reference.

SEVERABILITY: In the event any provision of this License Agreement is found to be invalid, illegal or unenforceable, the validity, legality and enforceability of any of the remaining provisions shall not in any way be affected or impaired and a valid, legal and enforceable provision of similar intent and economic impact shall be substituted therefor.

ENTIRE AGREEMENT: This License Agreement sets forth the entire understanding and agreement between you and 3Com, supersedes all prior agreements, whether written or oral, with respect to the Software, and may be amended only in a writing signed by both parties.

Palm Computing, Inc., a subsidiary of 3Com Corporation
5400 Bayfront Plaza
PO Box 58007
Santa Clara, California 95052-8007
United States of America
(408) 326-5000
September 3, 1998